

**Supplemental Information Disclosure Statement
PTO-1449**

Abstract WO 8400493 A2 (DE 3227518 A)

The programmable electronic circuit controls an analgesic infusion pump according to the pain felt by the patient. It is operated by the patient but has a built in safeguard against overdose. This is achieved by circuit elements which allow a higher, limited dose for a limited period, after which the dose is reduced to a lower constant level which, for a preset period can not be altered by the patient.

A programmable control unit comprises a circuit which controls and monitors the time and rate of flow and a second circuit which controls the rate at which the flow is reduced. A third circuit monitors the infusion intervals. A memory holds the maximum permitted flow data.